

The diagram illustrates a system for detecting light. A horizontal line represents a light path. On the left, a box labeled "LIGHT SOURCE" (1) emits light to the right. The light path is interrupted by several components: a bracketed section (2) containing a "LIGHT RECEIVER" (7), a bracketed section (3) containing a small circle, a bracketed section (4) containing a wavy line, and a bracketed section (5) containing a small circle. To the right of the light path, an "OSCILLATION CIRCUIT" (9) is connected to the light path at point 5 and to a "SYNCHRONOUS DETECTOR" (8). The "SYNCHRONOUS DETECTOR" (8) receives input from the "LIGHT RECEIVER" (7) and the "OSCILLATION CIRCUIT" (9). The output of the "SYNCHRONOUS DETECTOR" (8) is labeled "OUTPUT". At the top of the diagram, a circle (6) is connected to the light path by a diagonal line. A line labeled "I" (10) points towards the circle (6). A bracketed section (16) is located on the light path between the circle (6) and the "OSCILLATION CIRCUIT" (9).

FIG. 2

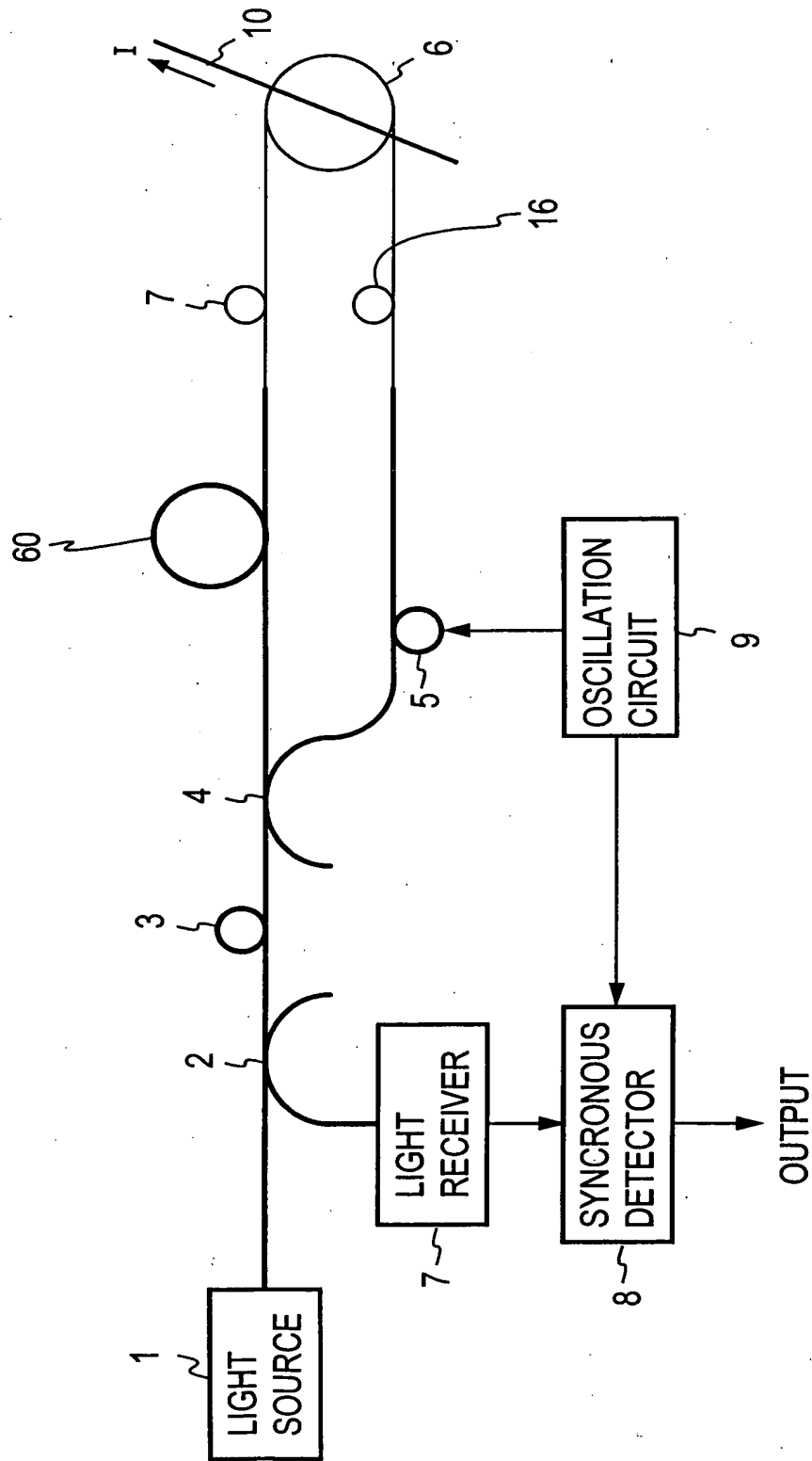
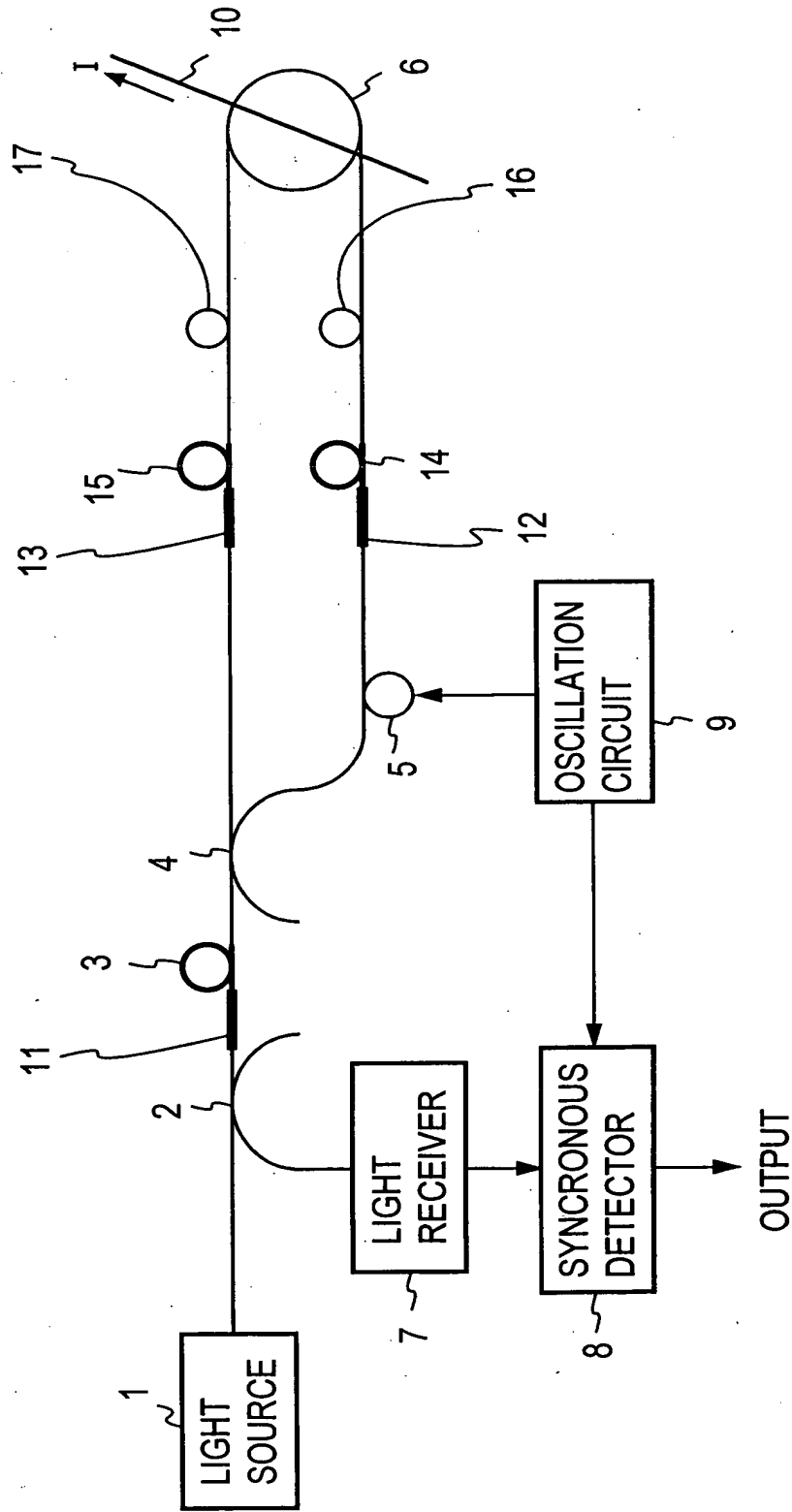


FIG. 3



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FIG. 4

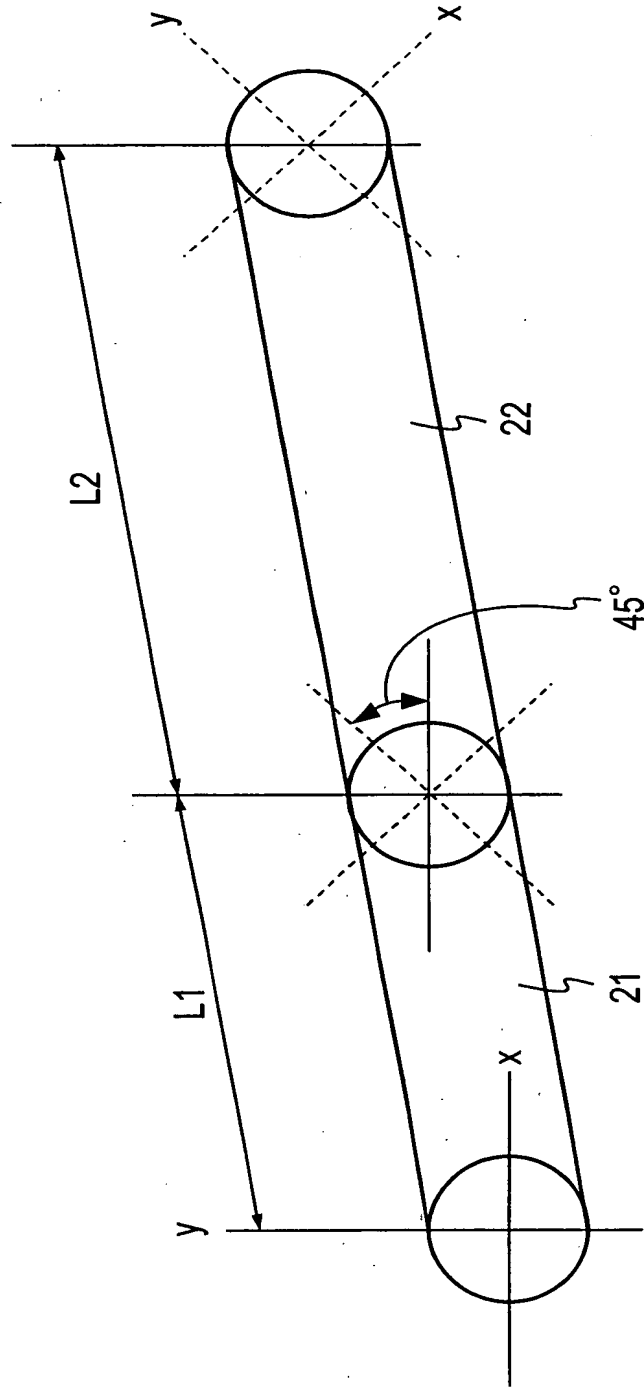


FIG. 5

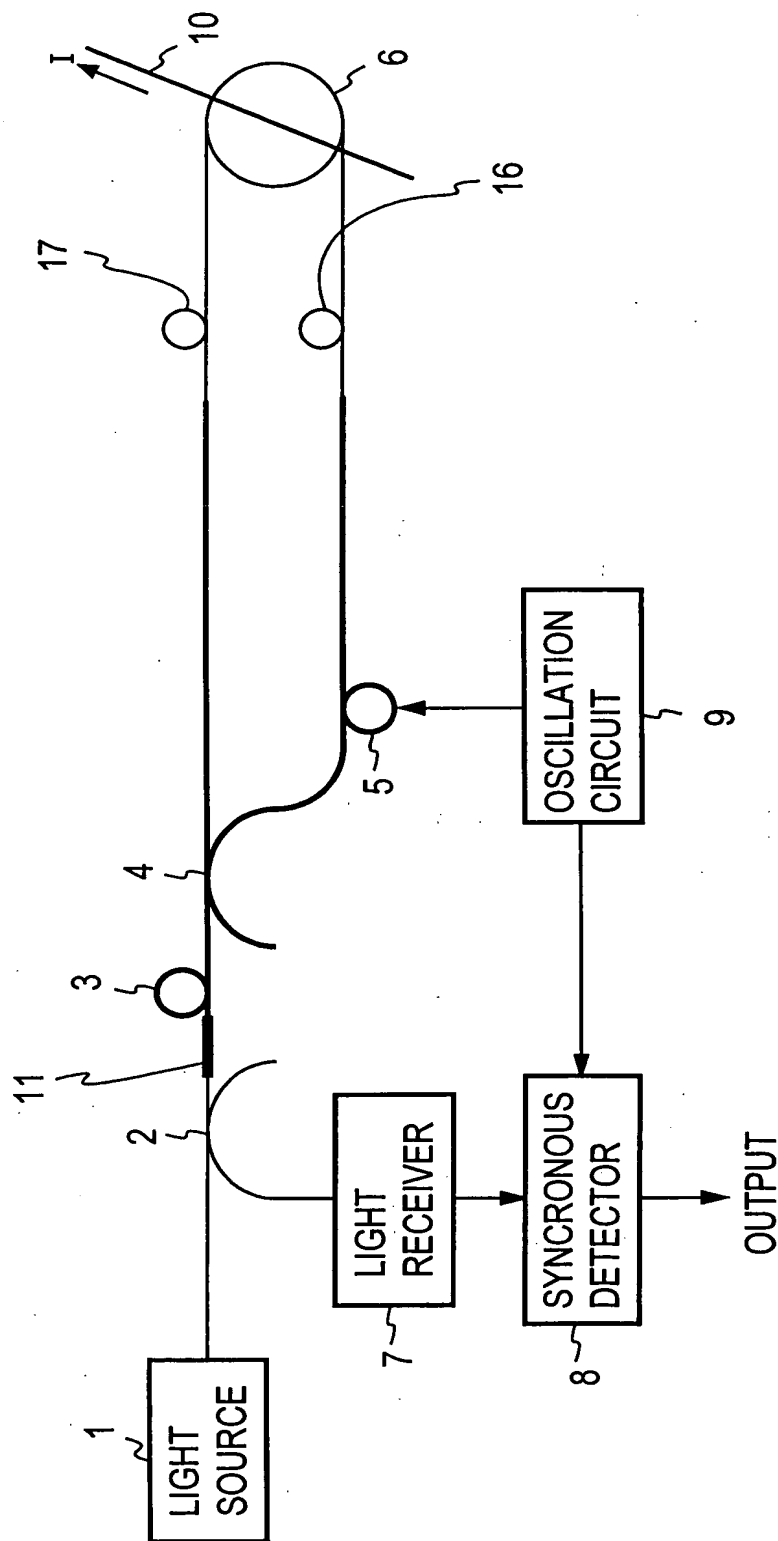


FIG. 6

